

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of
Applicant(s) : Guru Subramanyam, Spartak Gevorgian
Serial No. : 10/857,175
Filed : May 28, 2004
Title : **TUNEABLE ELECTROMAGNETIC BANDGAP STRUCTURES
BASED ON HIGH RESISTIVITY SILICON SUBSTRATES**
Docket : UVD 0322 PA/40815.432
Confirmation No. : 1839
Examiner : Kang, Donghee
Art Unit : 2811

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

DECLARATION OF CO-INVENTOR

I, Guru Subramanyam, of Dayton, OH, declare as follows:

I. IDENTIFICATION OF INVENTION

I am one of the named inventors of the above identified U.S. Patent Application Serial No. 10/857,175.

II. DETAILS OF PUBLICATIONS

I am listed as a co-author on the following publication:

"Tunable Electromagnetic Bandgap Structures Based on Ferroelectric films," Antennas and Propagation Society, Int. Sym., 2003 IEEE, 22-24 June 2003 (pp 879-882); and

"Tunable Electromagnetic Bandgap Structures Based on $\text{Ba}_{0.25}\text{Sr}_{0.75}\text{TiO}_3$ Parallel-Plate Varactors on Silicon Coplanar Waveguides," 33rd European Microwave Conference, Munich 7-9 October 2003 (pp 1111-1114).

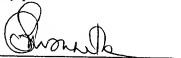
III. STATEMENT OF INVENTORSHIP AND PUBLICATIONS

I confirm that, with respect to each and every oral and written disclosure set out above, Dan Kuylenstierna and Andre Vorobiev, co-authors on the above identified publications, learned or received knowledge about the invention from the above named inventors, and are not co-inventors of the subject matter of the above identified invention, that they were merely involved in respect of the invention to carry out assignments and work under the supervision and direction of the inventors, and that they were merely listed as coauthor in order to receive credit for having collaborated in the research program under the above named inventors direction. Accordingly, the above identified publications are not prior art against the above identified application.

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Page 2 of 2

IV. VERACITY OF STATEMENTS

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful and false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application and any patent issued thereon.


Guru Subramanyam

Signed this date 30/12 June, 2005.